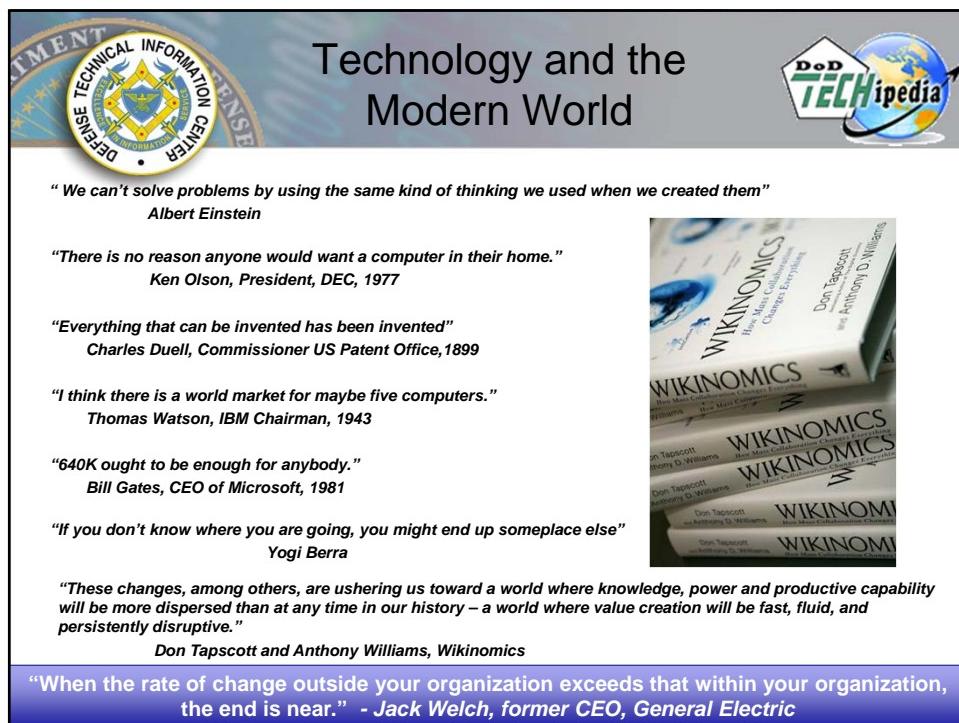




The slide features the Defense Technical Information Center (DTIC) logo at the top left. To its right is the text "Rapid Access to Technical Information Supporting Defense Acquisition". Below this is a banner with the words "Acquisition and Life Cycle Management Symposium" repeated three times. The main title "DoDTechipedia" is centered above "Technology Awareness". On the right side, contact information for Christopher Thomas, Chief Technology Officer, is provided: email [cthomas@dtic.mil](mailto:cthomas@dtic.mil) and phone number 703-767-9124. At the bottom left is a note about public release, and the DTIC logo is at the bottom right.

Approved for Public Release  
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Information for the Defense Community 



The slide has a decorative background featuring the Defense Technical Information Center (DTIC) seal on the left and the "DoD TECHipedia" logo on the right. The main title "Technology and the Modern World" is centered above a stack of books titled "WIKINOMICS". Several historical quotes are listed on the left, and a quote from Don Tapscott and Anthony Williams is on the right. A blue banner at the bottom contains a quote from Jack Welch.

"We can't solve problems by using the same kind of thinking we used when we created them"  
Albert Einstein

"There is no reason anyone would want a computer in their home."  
Ken Olson, President, DEC, 1977

"Everything that can be invented has been invented"  
Charles Duell, Commissioner US Patent Office, 1899

"I think there is a world market for maybe five computers."  
Thomas Watson, IBM Chairman, 1943

"640K ought to be enough for anybody."  
Bill Gates, CEO of Microsoft, 1981

"If you don't know where you are going, you might end up someplace else"  
Yogi Berra

"These changes, among others, are ushering us toward a world where knowledge, power and productive capability will be more dispersed than at any time in our history – a world where value creation will be fast, fluid, and persistently disruptive."  
Don Tapscott and Anthony Williams, Wikinomics

"When the rate of change outside your organization exceeds that within your organization, the end is near." - Jack Welch, former CEO, General Electric

<b>Report Documentation Page</b>			Form Approved OMB No. 0704-0188	
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**DEFENSE TECHNICAL INFORMATION CENTER**

## Today's Mission Requires Rapid Incorporation of Technology



**"Our conventional modernization programs seek 99 percent solutions in years. Stability and counterinsurgency missions – the wars we are in – require 75 percent solutions in months."**

Secretary of Defense, Robert M. Gates  
National Defense University Delivered, September 29, 2008

**"mandatory need to share budget and program information among all stakeholders, irrespective of Service or Agency 'boundaries' or the stage of POM deliberations. The real power is to ensure we share technical information and lessons on best practices in design, testing, manufacturing, and maintenance."**

Under Secretary of Defense for AT&L, John Young  
AT&L Message Sept 5, 2008

3

Information for the Defense Community 

**Procurement Cycles**



- “On average, DoD Acquisition Category One (ACAT I) development projects are approaching a 15 year procurement cycle”<sup>1</sup>
- At the average, an ACAT I started in 1993 would be coming on line today. How do we effectively and cost effectively integrate the technologies that have emerged in those 15 years?



1) A Market Reaction to DoD Contract Delay, ADA446349

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**Awareness In A World of Constant Change**




• DoD use of technology to meet current and emerging mission needs is estimated to consume 40% of the budget or about \$200B

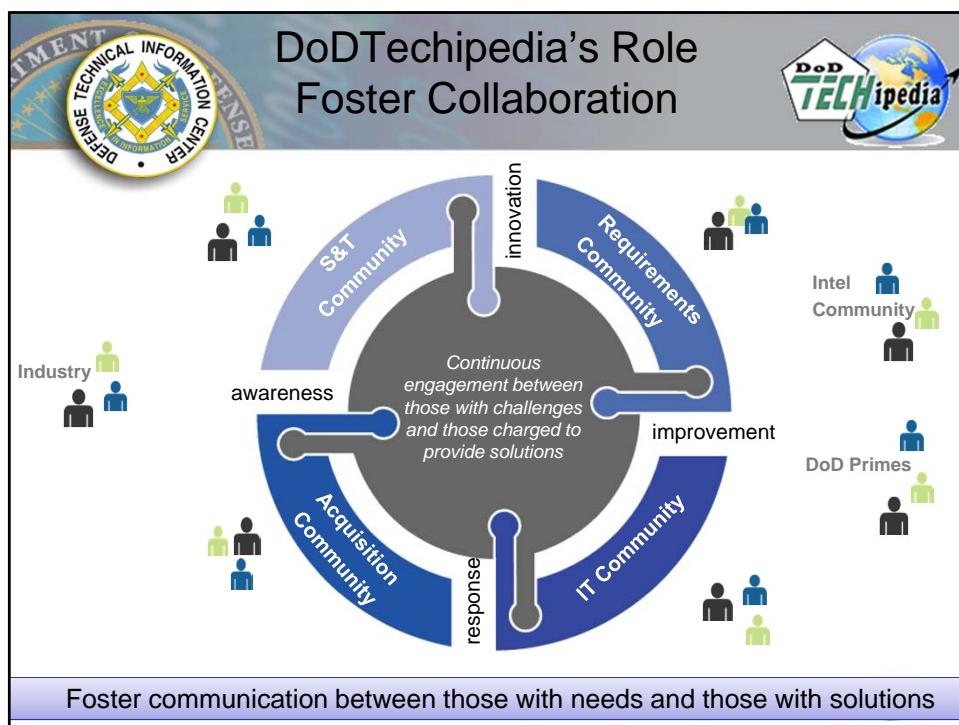
• The FY09 Budget provides nearly \$14B in S&T funding and \$82B in R&D investments

• Predicting how an adversary might use a new technology to harm the US requires DoD familiarity and even exploitation of emerging technologies

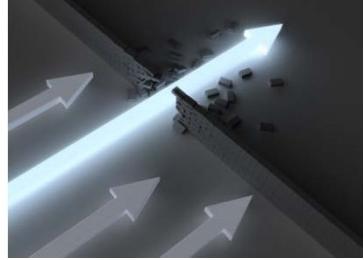


• DoD lacks a widely accessible tool to foster collaboration between solution providers and technology consumers – the Acquisition Community must separately engage with dozens of organizations to stay abreast of DoD technology research and investments

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**Why a Wiki for DoD Technology Collaboration?**



- Success of Wikipedia, Intellipedia make Wikis more familiar, especially to Generations X and Y
  - Builds on how people are interacting at home, and at schools
  - Increasing awareness of wiki's in the DoD S&T users community are through interaction with Intellipedia's S&T areas
- Low technical barriers to entry
  - Browsers based - no specialized tools
  - Low bandwidth

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**What is a Wiki?**



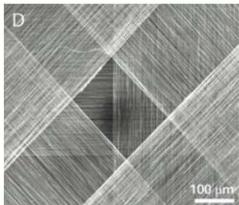
- Wikis are Web pages that are directly editable by the user community
- No one user or organization “owns” a page
- The content is dynamic, and can be updated at any time lending to the freshness of the material
- The value of the repository grows as users who previously had little or no contact independently add their knowledge and perspective
- Participants become aware of peers working in the same or similar areas and begin building communities
- Participants with needs can discover others with answers, and more quickly resolve their needs

8 *Information for the Defense Community* 

**What is a Wiki?**




• For example a wiki area on Carbon Fiber nanotubes could be updated within minutes following an announcement on a manufacturing process that increases production rates



• The community of users builds the repository and self ensures the accuracy of the material. If a post on nanotube manufacturing improvement turns out to be invalidated by new information any other participant reviewing the page could immediately comment or correct the entry

*Information for the Defense Community* 

**Who can participate in DoDTechipedia?**




- DoDTechipedia opens collaboration to broad community
  - DoD Employees & Contractors (via CAC registration or DTIC Registration)
  - Federal Government Employees and Contractors who are DTIC registered users (PIV access as DoD implements)



- Federal Government Wide discussion
- No Acq Sensitive, no proprietary data

10      *Information for the Defense Community* 

 Initial Internal Wiki Content

- Content at Launch - Attempted to provide “just enough” content (24 areas at launch)
  - Stimulate interest without inhibiting discussion
  - Provide initial template to offer a guide for the type of information we are hoping the Wiki will cover
  - Support from DTIC researchers
- Growth depends on broad community participation
- DoDTechipedia team looking to aggressively market to expand awareness

11 

 DoDTechipedia Information Categories

- Major Areas
  - Technology Areas (specific technologies – “Potential Solutions”)
  - Interest Areas (what we want addressed – “Challenges”)
  - Organization Pages (DoD Technology Components – “Where we Work Technology in DoD”)
  - Acronyms – Terms of Reference (definitions of common terms and acronyms)
  - How to Do Business with DoD
  - Blogs – (Personal Blog Area and Technology Area Specific)

12 

The screenshot shows the DoDTechipedia homepage on the left and a browser window displaying the 'Welcome to DoDTechipedia' page on the right. The homepage features a navigation bar with links like Home, Recently Updated, Acronyms, Terminology, Technology Areas, Interest Areas, Organizations, How to Do Business, Blogs, Inside DoDTechipedia, My Favorites, and Random Article. A 'General Information' sidebar includes Help, FAQ, Tutorial, Guidelines, Sandbox, Feedback, and Release Notes. The browser window shows the same navigation bar and a main content area with a heading 'Welcome to DoDTechipedia'. Below the heading is a paragraph about the mission of DoDTechipedia, followed by a 'Feedback' section and an 'Announcements' section. At the bottom right of the browser window is the DTIC logo.

The screenshot shows the DoDTechipedia homepage on the left and a browser window displaying the 'Augmented Reality - Interactive Training' page on the right. The browser window has a green header bar with 'Article', 'Edit this page', 'Attachments (1)', and 'History'. The main content area discusses Augmented Reality (AR) and its applications in training. It mentions the Advanced Information Technology (AIT) Branch of the U.S. Navy, the Battledfield Augmented Reality System (BARS), and the Urban Skills Training (URUST) program. The page also links to a 'Research and Development' section and a 'Related Blog' section. The DTIC logo is visible at the bottom right of the browser window.

The screenshot shows a web-based rich text editor interface for the 'Augmented Reality - Interactive Training' page on DoD TECHipedia. The page title is 'Augmented Reality - Interactive Training'. The editor toolbar includes options for Rich Text, Wiki Markup, Preview, Save, and Cancel. The main content area contains the following text:

**Augmented reality (AR) is**  
(excerpt)  
a field of computer research which deals with the superimposition of real-world and computer-generated data  
(excerpt)  
(footnote)  
[http://en.wikipedia.org/wiki/Augmented\\_reality](http://en.wikipedia.org/wiki/Augmented_reality)  
(footnote)  
to train soldiers for combat situations in simulated environments. Traditional training scenarios are not adequate to prepare soldiers for these situations, as they have a number of limitations. Augmented reality training programs are a solution to these limitations, designed to enable trainees to see real objects or places and blur the line between reality and content added by technology.  
(footnote)  
<http://connect.educause.edu/Library/EU117ThingsYouShouldKnowAbout/39384>  
(footnote)

The sidebar on the right provides help tips for various editing functions like bold, italic, underline, headings, lists, linking, and tables. Navigation links on the left include Home, Recently Updated, Acronyms, Terminology, Technology Areas, Interest Areas, Glossaries, How to Do Business, Blogs, Inside DoDTechipedia, My Favorites, and Random Article. A General Information section includes Help, FAQ, Technical, Guidelines, Sandbox, Feedback, and Release Notes.

At the bottom right is the DTIC logo with the tagline 'Information for the Defense Community'.

15

**Point of Contact**

**Christopher Thomas**  
Defense Technical Information Center  
Chief Technology Officer  
[cthomas@dtic.mil](mailto:cthomas@dtic.mil)  
703-767-9124

**DTIC Online**  
Information for the Defense Community

[www.dtic.mil](http://www.dtic.mil)